THE BRITISH VETERINARY JOURNAL

VOLUME 142
1986

LONDON: BAILLIÈRE TINDALL

AUTHOR INDEX

ABEYNAYAKE, P., 59
Abu-Samra, M. T., 264
Adam, C. L., 336
Adesiyun, A. A., 381
Agbonlahor, D. E., 381
Alam, M. G. S., 239
Anderson, H., 246
Andrews, A. H., 91, 297
Arakawa, A., 291
Arthur, M. J., 557
Aughey, E., 296

BABA, E., 291
Ball, H. J., 258
Barlow, R. M., 391
Batty, D. L., 65
Bedford, P., 94
Bevis, E. A., 124
Bhattacharyya, N. K., 527
Blanchflower, J., 453
Blowey, R. W., 296
Bongso, T. A., 59
Booth, J. M., 195
Bostedt, H., 218
Bostock, D. E., 1, 506
Bourne, F. J., 489
Bramley, A. J., 155
Broom, D. M., 490, 524
Busse, G., 218

CARTER, A. P., 516
Chamings, R. J., 195
Chapman, D. I., 350
Chapman, N. G., 350
Coid, C. R., 94, 487
Cooper, J. E., 200, 350, 411, 420
Cooper, M. E., 393
Cooper, M. J., 487
Cottingham, J. D., 516
Craven, N., 170

DARKE, P. G. G., 203
David, G. P., 294
Davies, D. C., 557
Dawson, M., 557
Dawuda, P. M., 467
Dennis, M. J., 472
Dobson, H., 239
Donachie, W., 189
Done, J. T., 145, 275
Drake, P. G. G., 490

EDDY, R. G., 201
Edwards, G. B., 392
Edwards, S. A., 434, 441
El Hassan, S. M., 289
Elliott, C. T., 453
Ewbank, R., 131, 326
Ewins, C. P., 163

FATIMAH, I., 59
Fisher, M. W., 569
Fitzpatrick, R. J., 239
Fogle, B., 94
Forbes, A., 350
Foulkes, J. A., 47
Frank, M., 553
Freundt, E. A., 246
Fukata, T., 291
Furniss, S. J., 434

GILMOUR, J. S., 189
Gips, H., 218
Glencross, R. G., 569
Gorman, N. T., 395, 403, 491, 498
Greve, T., 228

HALE, D. H., 569
Hannam, D. A. R., 458
Harbi, M. S. M. A., 289
Harbourne, J. F., 458
Harris, S., 350
Hathorn, D. J., 569
Hebert, C. N., 145
Heitzman, R. J., 516
Hickman, J., 200
Higgins, A. J., 75, 163, 488
Hill, A. W., 170
Hillerton, J. E., 155
Hillidge, C. J., 287
Hoorens, J., 364
Horiuchi, S., 291
Hosie, B. D., 201
Houvenaghel, A., 364
Hunter, R. H. F., 52

JONES, G. E., 189
Jordan, F. T. W., 93

KANYI KIBE, M., 389
Katz, W., 177
Keen, P., 489
Kenny, J., 453
Kent, J. E., 131, 326
Khub Singh, 527
Kidd, A. R. M., 275
Kirmse, P., 70, 73
Kock, R. A., 75
Kriegel, Y., 553

LAING, J. A., 299
Laitinen, J. T., 562
Lake, S. G., 586
Lamming, G. E., 569
Lane, J. G., 295, 488
Lees, P., 163
Lewis, G., 270
Lightfoot, A. L., 434, 441
Lloyd, D. H., 486
Logan, E. F., 358
Lombin, L. H., 381

MCCAUGHEY, W. J., 258
McLaren, I., 371
McLeod, C. G., 90, 177
Mackie, D. P., 358
Madan, M. L., 210
Maidment, D. C. J., 65
Mamoun, I. E., 289
Marire, B. N., 41
Markovics, A., 553
Mayer, E., 553
Meneely, D. J., 358
Mohanbabu, B., 73
Moir, C. E., 336
Motie, A., 36
Muirhead, M. R., 92
Murdoch, D. B., 307

NAGAHATA, H., 578
Nascimento, E. R., 246
Nascimento, M. da G. F., 246
Nayel, N. M., 264
Nichol, R., 52
Nicol, C. J., 393, 585
Noda, H., 578

OYEDIPE, E. O., 41, 467

PAMPIGLIONE, G., 275

Parker, B. N. J., 47
Pathiraja, N., 41, 467
Payne, J. M., 301
Payne, S., 301
Pearson, H., 93
Peters, A. R., 20, 569
Pipano, E.,553
Plowright, W., 91
Polydorou, K., 151
Prakash, B. S., 210
Purton, M. D., 446

Rae, A. G., 189
Ramadan, R. O., 75
Robinson, E. S., 59
Rose, R. J., 532, 542
Rutter, J. M., 297

Sanford, J., 586
Sauer, M. J., 47
Schrauwen, E., 364
Smith, G. R., 389
Sobiraj, A., 218
Sojka, W. J., 371
Spechter, H. H., 434
Stebbings, R. St. J., 270
Stolle, F. A., 30
Sweasey, D., 275

Taylor, J. B. O., 163
Taylor, S. M., 453
Thomsett, L. R., 116, 317
Thoonen, H., 364
Trujano, M., 141, 224
Turner, T., 294

Uemura, T., 291
Upcott, D. H., 145

Vaughan, L. C., 298
Vogel, C. J., 297
Voh, A. A., 41, 467

Walker, A. R., 198
Walton, J. R., 199
Warriss, P. D., 124
Wenham, G., 336
Werner, L. L., 395, 403, 491, 498
Wheeler, S. J., 95
Wilsmore, A. J., 233, 557
Wilson, G. D. A., 47
Woolley, J., 145
Worsfold, A. I., 195
Wrathall, A. E., 141, 224, 275
Wray, C., 371, 458

Yatsu, A., 578

SUBJECT INDEX

Abcesses of the camel, 78
Abdominal surgery in the camel, 85
ACTH, endocrine responses to different doses of, in cows, 239
Adenoma, hepatoid, 7
Adenoma, sebaceous, 11
Afghanistan, *Sarcocystis* sp. in camels from, 73
Anaemia, equine infectious, outbreak of suspected in Guyana, 36
Anaesthesia for camels, 77
Anal sacs, canine, 121
Anaplasma centrale vaccine against anaplasmosis in cattle, frozen, 553
Anaplasmosis in cattle, frozen *Anaplasma centrale* vaccine against, 553
Animal welfare, indicators of poor, 524
Apocrine glands, canine, 120
Autoimmune haemolytic anaemia (AIHA), 403

Bacterial diarrhoea in the dog and cat, 312
Bacterial products, enhancement and inhibition of F38 and related mycoplasmas by, 389
Bactericidal activity of bovine neutrophils by nitroblue tetrazolium reduction, evaluation of a quantitative assay for estimating the, 578
Basal cell tumours, 15
Behaviour and blood constituents of calves, the effect of road transportation on:
  II. one to three weeks old, 131
  III. three months old, 326
Birth injury in a flock of polled Dorset ewes, 233
Blood composition in *Bos indicus* and their crosses with *Bos taurus* breeds, effects of hyperthermia on, 527
Blood constituents and behaviour of calves, effect of road transportation on:
  II. one to three weeks old, 131
  III. three months old, 326
Blood plasma profiles of electrolytes, 17β-oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse *ante partum*, 218
Blood supply to the canine skin, 122
Book reviews, 90, 198, 294, 391, 486, 585
Brazil, isolation of *Mycoplasma mycoides* from outbreaks of caprine mycoplasmosis in, 246
Britain, transport and lairage times in slaughter pigs in, 124
Bullous pemphigoid, 493

Calves, the effect of road transportation on the behaviour and blood constituents of,
  II. one to three weeks old, 131
  III. three months old, 326
Camel in health and disease:
  8. observations on the diagnosis and treatment of surgical conditions in the camel, 75
Camel, *sarcocystis* sp. in, from Afghanistan, 73
Camels *(Camelus dromedarius)*, experimental infection of and of goats with *Sarcoptes scabiei* var. *cameli* and *S. scabiei* var. *caprae*, 264
Canine familial dermatomyositis, 409
Canine keratoconjunctivitis sicca (KCS), 401
Canine wobbler syndrome, 98
Cats:
  diarrhoea in the dog and cat:
    I. acute diarrhoea, 307
  immune-mediated disease of the dog and cat:
    I. basic concepts and the systemic immune-mediated diseases, 395
    II. immune-mediated diseases of the haemolymphatic and musculoskeletal system, 403
    III. immune-mediated diseases of the integumentary, urogenital, endocrine and vascular systems, 491
    IV. therapy and immunodiagnosis, 498
  mammary tumours in, 514
  neoplasms of the skin and subcutaneous tissues in, 1
  ringworm in, 318
Cattle:
  accuracy of rectal palpation in the diagnosis of corpora lutea in Zebu cows, 467
  comparative investigation of experimental prophylactic methods for tick-borne diseases transmitted by *Ixodes ricinus*, 453
  distribution of antibody in different immunoglobulin classes in experimental *Streptococcus agalactiae* infection of the bovine udder, 358
  effect of hyperthermia on blood composition in *Bos indicus* and their crosses with *Bos taurus* breeds, 527
  effect of road transportation on the blood constituents and behaviour of calves:
    II. one to three weeks old, 131
    III. three months old, 326

ELISA for residues of monensin in plasma of, 516
endocrine response to different doses of ACTH in cows, 239
evaluation of a quantitative assay for estimating the bactericidal activity of bovine neutrophils by nitroblue tetrazolium reduction, 578
fertility of dairy cows following treatment with progesterone-releasing devices and cloprostenol, 47
frozen *Anaplasma centrale* vaccine against anaplasmosis in, 553
hormonal control of the bovine oestrous cycle, pharmacological principle of, 20
level and distribution of progesterone in bovine milk-effects of mastitis and milk composition, 562
local cellular reaction and release of neutrophil chemotaxin from abraded polyethylene devices implanted in bovine udders, 170
Moraxella bovis- specific IgG in growing, 65
plasma progesterone concentrations in oestrous cycles of inseminated Zebu, 41
practical aspects of embryo transplantation in, 228
retained placenta and plasma prostaglandin F profile after induced parturition in Karan Swiss, 210
rodding of in slaughterhouses and hygiene, 30
secretion of luteinizing hormone and oestradiol-17β in *post partum* milked and suckled cows, 569
variability between muscidae populations of dairy heifers on two different types of pasture in Southern England, 155
Chemical immobilization of Reeves' Muntjac *(Muntiacus reevesi)*, a comparison of xylazine and methohexitone for the, 350
Chickens, skin surface topography in the domestic fowl and japanese quail, 446
Classical swine fever in Cyprus, a history, 151
Cloprostenol and progesterone-releasing devices, fertility of dairy cows following treatment with, 47
Clostridia, isolation of and of salmonellae and coccidia from wild pigeons in Japan, 291
Cobalt deficiency and urinary formiminoglutamic acid in lambs, 270
Coccidia, isolation of, and of salmonellae and clostridia from wild pigeons in Japan, 291
Congenital heart defects in small animals, 203
Congenital nervous disorder in pigs, a genetically-determined, 275
Congenital spinal disorders, in the dog, 95
Congenital tremor type AII, porcine, spinal cord morphometry, 145
Corpora lutea in Zebu cattle, accuracy of rectal palpation in the diagnosis of, 467
Corticosteroids, 500
Cyprus, a history of classical swine fever in, 151

DEER, a comparison of xylazine and methohexitone for the chemical immobolization of Reeves' Muntjac *(Muntiacus reevesi)*, 350
Deer, a radiographic study of skeletal growth and development in fetal red deer, 336
Degenerative disc disease in dogs, 104
Dermatomyositis, canine familial, 409
Dermis, structure of canine, 119
Diarrhoea in the dog and cat:
I. acute diarrhoea, 307
Discospondylitis in the canine spine, 113
Dislocations in the canine spine, 111
Dogs:
diarrhoea in the dog and cat:
I. acute diarrhoea, 307
immune mediated diseases of the dog and cat:
I. basic concepts and the systemic immune-mediated diseases, 395
II. immune-mediated diseases of the haemolymphatic and musculoskeletal system, 403
III. immune-mediated diseases of the integumentary, urogenital, endocrine and vascular systems, 491
IV. therapy and immunodiagnosis, 498
mammary tumours in, 506
neoplasms of the skin and subcutaneous tissues in, 1
ringworm in, 318
structure of the skin of, 117
surgical conditions of the spine of, 95
Domestic animals in Nigeria, prevalence of antibodies to *Yersinia enterocolitica* serogroups 0:3,0:8 and 0:12,26 in, 381
Donkeys, sarcosporidiosis in, in Morocco, 70
Dorset ewes, birth injuries in a flock of polled, 233
Drug resistance in salmonellae isolated from animals in England and Wales in 1982 and 1983, a survey of, 371
Dystokia in polled Dorset ewes, 233

ECCRINE sweat glands, canine, 121
Editorial: Change and decay?, 299
Electrolytes, 17β-oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse *ante partum*, blood plasma profiles of, 218
ELISA for residues of monensin in plasma of cattle, 516
Embryo transplantation in cattle, practical aspects of, 228
Embryos cultured under different oxygen concentrations, development of early porcine, 224
Endocrine system, immune-mediated diseases of the, 494
Endometrium, effects of hyperthermia on cultured explants of porcine, 141
Endotoxin infusion in young pigs, pathophysiological effects of, 364
Endurance exercise in the horse, 532, 542
England, a survey of drug resistance in salmonellae isolated from animals in England and Wales in 1982 and 1983, 371
England, variability between muscidae populations of dairy heifers on two different types of pasture in Southern, 155
Enteric viruses in the dog and cat, 314
Epidermal appendages, structure of canine, 120
Epidermis, canine, 117
Exercise-induced pulmonary haemorrhage, predisposition for right lung involvement in equine, 287

F38 and related mycoplasmas, enhancement and inhibition of by bacterial products, 389
Farrowing pens, effect of floor types in, on pig injury:
I. leg and teat damage of suckling piglets, 434
II. leg and teat damage of sows, 441
Feline chronic progressive polyarthritis, 408
Fertility and oestrous synchronization in dairy cows, 47
Fibrosarcoma in cats, 16
Fibrosarcoma in dogs, 9
Flunixin meglumine-quantitative determination in and effects on composition of equine inflammatory exudate, 163
Foetal membrane fusion and its developmental consequences in goat twins, 59
Foetuses in sheep, measurement of oestrone sulphate as a possible indicator of pregnancy and number of viable, 195
Formiminoglutamic acid in lambs, cobalt deficiency and urinary, 270
Fractures of the canine spine, 111
Fungal diseases of the skin of small animals, 317

GEORGE Flemming Prize, 300
Goats:
experimental infection of and of camels *(Camelus dromed-*

arius) with *Sarcoptes scabiei* var. *cameli* and *S. scabiei* var. *caprae*, 264
foetal membrane fusion and its developmental consequences in goat twins, 59
isolation and identification of *mycoplasma agalactiae* from mastitic goats in the Sudan, 289
isolation of *mycoplasma mycoides* from outbreaks of caprine mycoplasmosis in Brazil, 246
Guyana, an outbreak of suspected equine infectious anaemia in, 36

HAEMANGIOPERICYTOMA, canine, 9
Haemolymphatic system, immune-mediated diseases of, 403
Haemorrhagic gastroenteritis in the dog, 315
Hair, canine, 121
Heart defects in small animals, congenital, 203
Hepatoid adenoma, 7
Histiocytoma, 13
Hormonal control of the bovine oestrous cycle, pharmacological principles of, 20
Horses:
endurance exercise in:
I., 532
II., 542
flunixin meglumine, quantitative determination in and effects on composition of equine inflammatory exudate, 163
outbreak of suspected equine infectious anaemia in Guyana, 36
predisposition for right lung involvement in equine exercise-induced pulmonary haemorrhage, 287
sarcosporidiosis in, in Morocco, 70
Human ringworm, 319
Humidity and temperature, effect of on disease, 472
Hygiene in slaughterhouses and rodding, 30
Hyperthermia, effects on blood composition in *Bos indicus* and their crosses with *Bos taurus* breeds, 527
Hyperthermia, effect of on cultured explants of porcine endometrium, 141
Hypodermis, structure of canine, 120

IgG in growing cattle, *Moraxella bovis*-specific, 65
Immune-mediated diseases of the dog and cat:
I. basic concepts and the systemic immune-mediated diseases, 395
II. immune-mediated diseases of the haemolymphatic and musculoskeletal system, 403
III. immune-mediated diseases of the integumentary, urogenital, endocrine and vascular systems, 491
IV. therapy and immunodiagnosis, 498
Immunodiagnosis, 504
Immunoglobulin classes in experimental *Streptococcus agalactiae* infection of the bovine udder, distribution of antibody in different, 358
Immunosuppressive drugs, 500
Integumentary system, immune-mediated diseases of the, 491
Intramammary devices, local cellular reaction and release of neutrophil chemotaxin in, in bovine udders, 170
Ixodes ricinus, a comparative investigation of experimental prophylactic methods for tick-borne diseases transmitted by, 453

JAPAN, isolation of clostridia, salmonellae and coccidia from wild pigeons in, 291

KARAN Swiss cattle, retained placenta and plasma prostaglandin F profile after induced parturition in, 210
Kerato conjunctivitis sicca, canine (KCS), 401

LAIRAGE and transport times in British slaughter pigs, 124
Leukopenias, immune-mediated, 406
Lipoma, 8
Locomoter system of the camel, 80
Lupus erythematosus, systemic (SLE), 398, 493
Luteinizing hormone and oestradiol-17β in *post partum* milked and suckled cows, secretion of, 569

MAMMARY neoplasms, canine and feline, 506
Mastitis:
and embryo transplantation in cattle, 231
distribution of antibody in different immunoglobulin classes in experimental *Streptococcus agalactiae* infection of the bovine udder, 358
effects of, and milk composition, level and distribution of progesterone in bovine milk, 562
identification and isolation of *mycoplasma agalactiae* from mastitic goats in the Sudan, 289
Mastocytoma in cats, 18
Mastocytoma in dogs, 3
Melanoma, 12
Methohexitone and xylazine for the chemical immobilization of Reeves' Muntjac *(Muntiacus reevesi)*, a comparison, 350
Monensin in plasma of cattle, ELISA for residues of, 516
Moraxella bovis-specific IgG in growing cattle, 65
Morocco, sarcosporidiosis in equines in, 70
Mucoid enteritis, opportunistic bacteria isolated from the caecum of rabbits with, 177
Mules, sarcosporidiosis in, in Morocco, 70
Muntjac *(Muntiacus reevesi)*, a comparison of xylazine and methohexitone for the chemical immobilization of Reeves', 350
Muscidae, variability of populations of and dairy heifers on two different types of pasture in Southern England, 155
Musculoskeletal system, immune-mediated diseases of the, 406
Myasthenia gravis, 408
Mycoplasma agalactiae from mastitic goats in the Sudan, isolation and identification of, 289
Mycoplasma mycoides, isolation of, from outbreaks of caprine mycoplasmosis in Brazil, 246
Mycoplasmas, enhancement and inhibition of the growth of F38 and related mycoplasmas by bacterial products, 389
Mycoplasmosis in Brazil, isolation of *Mycoplasma mycoides* from outbreaks of caprine, 246

NECROTIZING vasculitis, 495
Neoplasia in the canine spine, 114
Neoplasms, canine and feline mammary, 506
Neoplasms of the skin and subcutaneous tissues in the dog and cat, 1
Nerve supply to the canine skin, 123
Nervous disorder in pigs, a new genetically determined congenital, 275
Nigeria, prevalence of antibodies to *Yersinia enterocolitica* of serogroups 0:3,0:8 and 0:12,26 in domestic animals in, 381
Nitroblue tetrazolium reduction, evaluation of a quantitative assay for estimating the bactericidal activity of bovine neutrophils by, 578
Non-erosive polyarthritis, 407
Nonsteroidal anti-inflammatory drugs (NSAIDS), 499
Nutritional diarrhoea in the dog and cat, 310

OBSTETRICAL surgery in the camel, 85
Oestradiol-17β, electrolytes and progesterone in sheep suffering from vaginal inversion and prolapse *ante partum*, blood plasma profiles of, 218

Oestradiol-17β and luteinizing hormone in *post partum* milked and suckled cows, secretion, of, 569
Oestrone sulphate in sheep plasma as a possible indicator of pregnancy and the number of viable foetuses present, 195
Oestrous cycle, pharmacological principles of hormonal control of the bovine, 20
Oestrous cycle, plasma progesterone concentrations of, in inseminated Zebu cattle, 41
Oestrous synchronization and fertility in dairy cows, 47
Osteomyelitis in the canine spine, vertebral, 113
Ovine enzootic abortion, the use of a delayed hypersensitivity test and long-acting oxytetracycline in a flock affected with, 557
Ovulation, post-ovulatory progression of viable spermatozoa in the sheep oviduct and the influence of multiple mating on their pre-ovulatory distribution, 52
Oxygen concentrations, development of early porcine embryos cultured under different, 224
Oxytetracycline in a flock affected with ovine enzootic abortion, the use of a delayed hypersensitivity test and long-acting, 557

PARTURITION, induced, in Karan Swiss cattle, retained placenta and plasma prostaglandin F profile after, 210
Pasteurella haemolytica, attempt to prevent the effects of experimental chronic pneumonia in sheep by vaccination against, 189
Pemphigus complex, 492
Pets, veterinary work with non-domesticated:
I. background to, 411
II. mammals, 420
Pharmacological principles of hormonal control of the bovine oestrous cycle, 20
Pigeons in Japan, isolation of clostridia, salmonellae and coccidia from wild, 291
Pigs:
a new genetically-determined congenital nervous disorder in, 275
development of early porcine embryos cultured under different oxygen concentrations, 224
effect of floor type in farrowing pens on pig injury:
I. leg and teat damage of suckling piglets, 434
II. leg and teat damage of sows, 441
effect of hyperthermia on cultured explants of porcine endometrium, 141
pathophysiological effects of endotoxin infusion in young, 364
porcine congenital tremor type AII-spinal cord morphometry, 145
transport and lairage times in British slaughter, 124
Placenta retained, and plasma prostaglandin F profile after induced parturition in Karan Swiss cattle, 210
Pneumonia, attempt to prevent the effects of experimental chronic, in sheep by vaccination against *Pasteurella haemolytica,* 189
Polyarteritis nodosa (PAN), 495
Polyarthritis, feline chronic progressive, 408
Polyarthritis, non-erosive, 407
Polymyositis, 400
Porcine congenital tremor type AII-spinal cord morphometry, 145
Pregnancy in sheep, measurement of oestrone sulphate in sheep plasma as a possible indicator of, and of the number of viable foetuses present, 195
Progestagens, 24
Progesterone:
electrolytes and 17β-oestradiol in sheep suffering from vaginal inversion and prolapse *ante partum,* blood plasma profiles of, 218
fertility of dairy cattle following treatment with progesterone-releasing devices and cloprostenol, 47
level and distribution of in bovine milk-effect of mastitis and milk composition, 562
plasma progesterone concentration in oestrous cycles in inseminated Zebu cattle, 41
Prostaglandin F, plasma, profile and retained placenta after induced parturition in Karan Swiss cattle, 210
Prostaglandins, 21
Publication, changes in world veterinary output of, 301
Pulmonary haemorrhage, predisposition for right lung involvement in equine exercise-induced, 287

QUAIL, skin surface topography in the domestic fowl and japanese, 446

RABBITS, opportunistic bacteria isolated from the caecum of, with mucoid enteritis, 177
Radiographic study of skeletal growth and development in foetal red deer, a, 336
Radiography of camels, 77
Rectal palpation in the diagnosis of corpora lutea in Zebu cattle, accuracy of, 467
Red deer, foetal, 336
Respiratory diseases, effect of temperature and humidity on, 472
Rheumatoid arthritis, canine, 406
Ringworm, 318
Rodding in slaughterhouses in West Berlin and improvements to hygiene, 30

Salmonella arizonae infection of sheep, experimental, 458
Salmonellae isolated from, animals in England and Wales in 1982 and 1983, a survey of drug resistance in, 371
Salmonellae, isolation of, and of clostridia and coccidia from wild pigeons in Japan, 291
Sarcoptes scabiei var. *cameli* and *S. scabiei* var. *caprae,* experimental infection of camels *(Camelus dromedarius)* and of goats with, 264
Sarcosporidiosis in camels from Afghanistan, 73
Sacrosporidiosis in equines in Morocco, 70
Satellitism and the enhancement and inhibition of the growth of F38 and related mycoplasmas by bacterial products, 389
Sebaceous adenoma, 11
Sebaceous glands, canine, 120
Sheep:
attempt to prevent the effects of experimental chronic pneumonia in sheep by vaccination against *Pasteurella haemolytica,* 189
birth injury in a flock of polled Dorset ewes, 233
blood plasma profiles of electrolytes, 17β-oestradiol and progesterone in sheep suffering from vaginal inversion and prolapse *ante partum,* 218
cobalt deficiency and urinary foriminoglutamic acid in lambs, 270
experimental *Salmonella arizonae* infection of, 458
measurement of oestrone sulphate in plasma as a possible indicator of pregnancy and the number of viable foetuses present, 195
post-ovulatory progression of viable spermatozoa in the sheep oviduct and the influence multiple mating on their pre-ovulatory distribution, 52
use of a delayed hypersensitive test and long-acting oxytetracycline in a flock affected with ovine enzootic abortion, 557
use of tiamulin in the elimination of ureaplasmas from, 258

Skeletal growth and development in fetal red deer, a radiographic study of, 336
Skin:
neoplasma of and subcutaneous tissues in dogs and cats, 1
of small animals, fungal diseases of the, 317
structure of the canine, 116
surface topography in the domestic fowl and japanese quail, 446
Slaughter pigs, transport and lairage times in British, 124
Slaughterhouse procedures, cattle, rodding of in West Berlin, 30
Small animals, fungal diseases of the skin of, 317
Spermatozoa in the sheep oviduct, 52
Spinal cord morphometry in porcine congenital tremor type AII, 145
Spondylopathy in the canine spine, 98
Squamous cell carcinoma, 14
Streptococcus agalactiae infection of the bovine udder, distribution of antibody in different immunoglobulin classes in experimental, 358
Subcutaneous tissues, neoplasms of skin and in dogs and cats, 1
Subcutis, structure of canine, 120
Subluxation, atlanto-axial in dogs, 96
Sudan, isolation and identification of *Mycoplasma agalactiae* from mastitic goats in the, 289
Surgical conditions in the camel, 75
Surgical conditions of the canine spine, 95
Swine fever in Cyprus, a history of classical, 151
Systemic lupus erythematosus (SLE), 398, 493

TEMPERATURE and humidity, effect of on disease, 472
Thrombocytopenia, immune-mediated (IMT), 405
Tiamulin, use of in the elimination of ureaplasmas from sheep, 258
Tick-borne diseases transmitted by *Ixodes ricinus*, a comparative investigation of experimental prophylactic methods, 453
Transport and lairage in British slaughter pigs, 124
Transport by road, effect of on the blood constituents and behaviour of calves:
II. one to three weeks old, 131
III. three months old, 326
Tremor, porcine congenital type AII, spinal cord morphometry, 145

UREAPLASMAS from sheep, use of tiamulin in the elimination of, 258
Urinary retention and spinal surgical conditions in dogs, 111
Urogenital surgery in the camel, 87
Urogenital system, immune-mediated diseases of the, 494

VAGINAL inversion and prolapse *ante partum* blood plasma profiles of electrolytes, 17β-oestradiol and progesterone in sheep suffering from, 218
Vasculitis, 495
Vertebral osteomyelitis in the canine spine, 113

WALES, a survey of drug resistance in salmonellae isolated from animals in England and, in 1982 and 1983, 371
Welfare, indicators of poor, 524
Wounds to the camel, 78

XYLAZINE and methohexitone for the chemical immobilization of Reeves' Muntjac *(Muntiacus reevesi)*, a comparison, 350

Yersinia enterocolitica of serogroups 0:3,0:8 and 0:12,26 in domestic animals in Nigeria, prevalence of antibodies to, 381

ZEBU cattle;
accuracy of rectal palpation in the diagnosis of corpora lutea in, 467
plasma progesterone concentrations in oestrous cycles of inseminated, 41